



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/840,231	05/07/2004	Jang-keun Oh	116511-00132	9693
27557	7590	10/17/2007	EXAMINER	
BLANK ROME LLP 600 NEW HAMPSHIRE AVENUE, N.W. WASHINGTON, DC 20037				HOPKINS, ROBERT A
ART UNIT		PAPER NUMBER		
		1724		
MAIL DATE		DELIVERY MODE		
		10/17/2007 PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Best Available Copy



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10840231	5/7/04	OH ET AL.	116511-00132

EXAMINER

Robert A. Hopkins

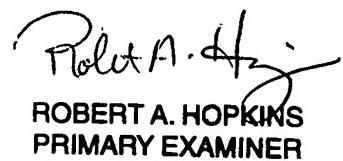
ART UNIT	PAPER
1797	101107

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

IDS signed an initialed. Examiner notes the French Search Report dated February 15, 2007 indicates that Japanese reference JP 2002 326041 is an X type anticipatory reference over claim 1 of the current application, however upon review of the Japanese reference, Examiner is unable to locate "a plurality of second cyclones for separating minute dust particles from air by using a centrifugal force after the dust separation at the first cyclone; and a cover disposed on an upper portion of the first cyclone and the second cyclones, the cover including a guide formed at a lower center to guide air discharged from the first cyclone into the second cyclones".


ROBERT A. HOPKINS
PRIMARY EXAMINER

10.4.1229